



SEQUENCE LISTING

<110> Budworth, Paul
Wang, Xun

<120> IDENTIFICATION OF PROTEIN INTERACTIONS USING IN VIVO
POST-TRANSLATIONALLY MODIFIED FUSION PROTEINS

<130> 1392/11

<150> US 60/418,952

<151> 2002-10-15

<160> 8

<170> PatentIn version 3.3

<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer used in conjunction with SEQ ID NO: 2 to amplify a
region of the tomato Methylcrotonyl-CoA carboxylase cDNA

<400> 1
cgggatcctt tcccgggggt actgtgattg cacccatggc 40

<210> 2

<211> 41

<212> DNA

<213> Artificial Sequence

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<223> PCR primer used in conjunction with SEQ ID NO: 1 to amplify a
region of the tomato Methylcrotonyl-CoA carboxylase cDNA

<400> 2
ctatccgagc tctcagtcct tgagagcaaa gagttttata c 41

<210> 3

<211> 46

<212> DNA

<213> Artificial Sequence

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<223> Complementary oligo A of the TEV protease cleavage site

<400> 3
cgggatccaa aggcctaccg gtaagattcc aactactgcc agcgag 46

<210> 4

<211> 43

<212> DNA

<213> Artificial Sequence

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<223> Complementary oligo B to the TEV protease site

<400> 4
aatttgtatt ttcagggtga gcttaaaacc gctcccgggg gta 43

<210> 5
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligo used in conjunction with SEQ ID NO: 6 to clone the maize
TATA-box binding protein

<400> 5
cgggatccat ggcggagccg gggctcgagg 30

<210> 6
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligo used in conjunction with SEQ ID NO: 5 to clone the maize
TATA-box binding protein

<400> 6
gcgcaccggt ttgctgaact tttcgaaact ctgccag 37

<210> 7
<211> 300
<212> DNA
<213> Artificial Sequence

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<223> Polynucleotide construct encoding a TBP-Biotin fusion peptide
(pND05-TBP-Biotin)

<400> 7
ggatccaaag gcctaccggt aagattccaa ctactgccag cgagaatttg tattttcagg 60
gtgagcttaa aaccgctccc ggggggtactg tgattgcacc catggctggg ctagtggtta 120
aagtattggt gaaggatggg gagaaagttc aggagggaca acctgtgtta gtattagaag 180
caatgaagat ggagcatgta gtgaaagcac cagctaattg ctatgtaagc gggcttgaaa 240
tcaaagtggg ccaatcggtc caagatggta taaaactctt tgctctcaag gactgagagc 300

<210> 8
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> TBP-Biotin fusion peptide encoded by pND05-TBP-Biotin

<400> 8

Ile Gln Arg Pro Thr Gly Lys Ile Pro Thr Thr Ala Ser Glu Asn Leu
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Tyr Phe Gln Gly Glu Leu Lys Thr Ala Pro Gly Gly Thr Val Ile Ala
20 25 30

Pro Met Ala Gly Leu Val Val Lys Val Leu Val Lys Asp Gly Glu Lys
35 40 45

Val Gln Glu Gly Gln Pro Val Leu Val Leu Glu Ala Met Lys Met Glu
50 55 60

His Val Val Lys Ala Pro Ala Asn Gly Tyr Val Ser Gly Leu Glu Ile
65 70 75 80

Lys Val Gly Gln Ser Val Gln Asp Gly Ile Lys Leu Phe Ala Leu Lys
85 90 95

Asp